

Amendments To The Claims:

Please amend the claims as shown.

1 – 14 (canceled)

15. (currently amended) A salient-pole machine, comprising:
a rotor body that extends in an axial direction of the machine;
a pole shoe arranged on the rotor body and including an air outlet opening;
a field coil arranged between the rotor body and the pole shoe; and
a leaf spring arranged between the field coil and the rotor body that forces the field coil against the pole shoe by exertion of a spring force against the field coil, the spring having a hollow cross section with an interior portion arranged between the field coil and the rotor body, wherein the spring has an essentially U-shaped cross section having two limblike extensions positioned so that the field coil is forced against the pole shoe by one of the two limbs, wherein the spring is fixed to the rotor body by a fixing device on a side of the O-shaped spring opposite the opening in the spring.

wherein an axis of the spring cross section is parallel to the rotor axis, the interior portion of the hollow spring element forms an axial cooling channel of the machine, the field coil includes a radial cooling channel extending from the axial cooling channel to the air outlet opening, with the radial cooling channel extending radially outward with respect to the axial direction of the rotor body, and

wherein the radial cooling channel is in connection with the axial cooling channel to allow flow of a cooling medium from the axial cooling channel and through the radial cooling channel and through the air outlet opening of the pole shoe.

16. (canceled)

17. (previously presented) The salient-pole machine as claimed in claim 15, wherein the spring has two essentially U-shaped sections which partially overlap to form essentially an O-shape having an opening at one point.

18. (canceled)

19. (canceled)

20. (currently amended) The salient-pole machine as claimed in claim 1549, wherein the spring has a spring stiffness of between approximately 1 and 4 N/mm.

21. (previously presented) The salient-pole machine as claimed in claim 20, wherein the spring has a spring stiffness of between approximately 2 and 3 N/mm.

22 - 29. (canceled)